

FURTHER CHANGES AND ADDITIONS TO
THE FLORA OF PORTO RICO
AND THE VIRGIN ISLANDS

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After the publication of the nomenclatural changes and additions to the Flora of Porto Rico (cf. *Rhodora* 67: 315-361. 1965), several more changes have come to my attention, and by revising the literature and going through the herbaria, I have found more additions to the Flora of the area covered by Britton and Wilson. As in my previous paper, I shall give the page and after the valid name, I shall cite in parenthesis the name used by Britton and Wilson in the Flora. This list is to be used as a supplement to the Flora, and reference must be made to the previous citation by Britton and Wilson. Several errors have been made in my previous paper, and they are corrected here.

Volume I of the Flora (Scientific Survey, vol. V).

- p. 18. *Limnobium spongia* Rich. To be added: Añasco, *Sintenis* 5779.
- p. 32. *Trichachne affinis* Swallen, *Rhodora* 65: 365. 1963. To be added: *Hess* 428.
- p. 34. *Digitaria diversifolia* Swallen, *Rhodora* 65: 366. 1963. To be added: Juana Díaz.
- p. 51. *Lasiacis maculata* (Aubl.) Urb. (*Lasiacis sorghoidea* H. & C.).
- p. 53. *Echinochloa spectabilis* (Nees) Link (*Echinochloa polystachya* Hitchc.).
- p. 67. *Chloris barbata* Sw. (*Chloris inflata* Link; *Chloris paraguayensis* Steud.).
- p. 75. *Eragrostis tenella* (L.) Beauv. ex R. & S. (*Eragrostis amabilis* Wr. & Arn.).
- p. 77. *Rhynchelytrum repens* (Willd.) C. E. Hubb. (*Tricholaena repens* Nees).
- p. 108. *Scleria melaleuca* C. & S. (*Scleria pterota* C. Presl ex C. B. Clarke).
- p. 113. *Calyptrogyne rivalis* (Cook) León replaces *Calyptrogyne occidentalis* Maza (*Calyptronoma rivalis* Bailey).
- p. 117. *Coccothrinax alta* Becc. replaces *Coccothrinax argentea* of Britton & Wilson.
- p. 139. *Tillandsia setacea* L. (cited by Britton and Wilson as *T. tenuifolia* L.).

- p. 139. *Tillandsia tenuifolia* L. To be added: Maricao, collected by Winters. This is the species that has been cited as *Tillandsia pulchella* Hook. (cf. *Phytologia* 8: 20, 1962).
- p. 145. *Commelina virginica* L. (*Commelina elegans* HBK.).
- p. 161 *Curculigo capitulata* (Lour.) O. Kuntze (*Molineria hortensis* Britt.).
- p. 272. *Atriplex littoralis* (Jacq.) Fawc. & Rendle (*Atriplex pentandra* Standl.).
- p. 305. *Nymphaea jamesoniana* Planch. (*Castalia jamesoniana* Britt. & Wils.).
- p. 326. *Lepidium pinnatisectum* (O. E. Schulz) C. L. Hitchc. To be added: Mayagüez.
- p. 328. *Brassica hirta* Moench. (*Sinapis alba* L.).
- p. 329. *Rorippa islandica* var. *hispida* (Desv.) Butt. & Abbe (*Radicula palustris* Moench; *Rorippa palustris* Bess.).
- p. 329. *Nasturtium officinale* R. Br. (*Sisymbrium nasturtium-aquaticum* L.; *Rorippa nasturtium-aquaticum* Hayek).
- p. 336. *Crataeva tapia* L. include as a synonym *Crataeva gynandra* L.
- p. 341. *Rubus coronarius* Sweet. To be added: Cayey.
- p. 353. *Acacia macracantha* H. & B. ex Willd. in L.; include as a synonym: *Poponax macracanthoides* Britt. & Rose, *Sci. Surv.* 6: 538.
- p. 352. *Acacia polyacantha* Willd. in L. (*Acacia suma* Buch.-Harm ex Voigt).
- p. 354. *Acacia scleroxyla* Tuss. To be added: Padre de las Casas (*Holridge* 78).
- p. 378. *Caesalpinia bonduc* (L.) Roxb. (*Caesalpinia crista* or modern authors).
- p. 378. *Caesalpinia major* (Medic.) Dandy & Exell (*Caesalpinia bonduc* of modern authors).
- p. 386. *Crotalaria mucronata* Desv. (*Crotalaria striata* DC., not *C. saltiana* Andr.).
- p. 386. *Crotalaria lotifolia* var. *eggersii* Senn. To be added: Vieques, St. Thomas.
- p. 387. *Crotalaria sagittalis* var. *fruticosa* (Mill.) Fawc. & Rendle. To be added: Bayamón.
- p. 387. *Crotalaria berteriana* DC. Cultivated at Mayagüez Experimental Station.
- p. 390. *Dalea carthaginensis* (Jacq.) Macbr. (*Parosela domingensis* Millsp.; *Dalea domingensis* DC.).
- p. 391. *Tephrosia sessiflora* (Poir.) Urb. (*Cracca brevipes* Kuntze).
- p. 391. *Tephrosia purpurea* (L.) Pers. (*Cracca purpurea* L.).
- p. 408. *Lonchocarpus sericeus* var. *glabrescens* Benth. (*Lonchocarpus domingensis* DC.).

- p. 409. *Geoffrea inermis* W. Wright (*Andira inermis* HBK.).
- p. 424. *Lablab niger* Medic. (*Dolichos lablab* L.).
- p. 431. *Oxalis rugeliana* Urb. To be added: Coamo.
- p. 437. *Kallstroemia pubescens* (G. Don) Dandy (*Kallstroemia caribaea* Rydb.).
- p. 442. *Galphimia glauca* Cav. (*Galphimia gracilis* Benth.; *Thryallis glauca* Kuntze).
- p. 440. *Stigmaphyllon ledifolium* (HBK.) Small (*S. diversifolium* A. Juss.).
- p. 444. *Malpighia linearis* Jacq. (*Malpighia angustifolia* L.).
- p. 457. *Zanthoxylum bifoliolatum* Leon. To be added: Maricao.
- p. 465. *Guarea guidonia* (L.) Sleumer (*Guarea guara* P. Wils.).
- p. 494. *Sapium jamaicense* Sw. To be added: Luquillo Mts.
- p. 467. *Cedrela mexicana* Roem. (*C. odorata* L.).
- p. 477. *Phyllanthus tenellus* Roxb. To be added: Maricao.
- p. 498. *Euphorbia heterophylla* L. (*Poinsettia heterophylla* Kl. & G.).
- p. 499. *Euphorbia geniculata* Ortega (*Poinsettia geniculata* Kl. & Garcke).
- p. 498. *Euphorbia cyathophora* Murr. (*Poinsettia cyathophora* Kl. & Garcke).
- p. 501. *Chamaesyce hyssopifolia* (L.) Small includes *C. nutans* (Lag.) Small, as a synonym.
- p. 504. *Chamaesyce adenoptera* (Bertol.) Small ssp. *pergamena* (Small) Burch (*Chamaesyce monensis* Millsp.).
- p. 504. *Chamaesyce turpinii* (Boiss.) Millsp. (*Chamaesyce anegadensis* Millsp.; *Chamaesyce portoricensis* Millsp.).
- p. 510. *Comocladia dentata* Jacq. To be added: Bayamón, Luquillo, Mayagüez.
- p. 510. *Comocladia cuneata* Britt. To be added: Vega Baja (*Britton, Brown & Chardon 6821*).
- p. 510. Conserve: *Metopium toxiferum* (L.) Krug & Urb. (*Metopium linnaei* Engl., in part).
- p. 515. *Ilex hypaneura* Loes. To be added: El Verde, Luquillo Mts. (*Alain 10846*).
- p. 526. *Allophylus racemosus* Sw. (*Allophylus occidentalis* Radlk.).
- p. 536. *Colubrina elliptica* (Sw.) Briz. & Stern (*Colubrina reclinata* Brongn.).
- p. 536. *Colubrina rufa* var. *antillana* M. C. Johnst. To be added: Cambalache.
- p. 544. *Triumfetta rhomboidea* Jacq. (*Triumfetta bartramia* L., nom. illegit.).
- p. 549. *Abutilon crispum* Medic. (*Gayoides crispum* Small).
- p. 553. *Sida setifera* Presl (*Sida aggregata* Presl).
- p. 551. *Sida alba* L. is synonym to *Sida spinosa* L.
- p. 558. *Malachra alceifolia* var. *fasciata* (Jacq.) Robyns (*Malachra fasciata* Jacq.).

- p. 559. *Urena lobata* var. *sinuata* (L.) Hochr. (*Urena sinuata* L.).
- p. 560. *Pavonia spicata* Cav. (*Malache scagra* Vogel; *Pavonia scabra* Ciferri).
- p. 561. *Hibiscus phoeniceus* Jacq. (*Hibiscus brasiliensis* L., nom. nudum).
- p. 565. *Montezuma grandiflora* (DC.) Urb. (*Montezuma speciosissima* Sessé & Moc.).
- p. 567. *Gossypium barbadense* L. (*Gossypium peruvianum* Cav.; *Gossypium brasiliense* Macf.).
- p. 567. *Gossypium hirsutum* L. var. *punctatum* (Schum.) Hutch. (*Gossypium purpurascens* Poir.).
- p. 577. *Doliocarpus major* Gmel. in L. (*Doliocarpus brevipedicellatus* Garcke).
- p. 611. *Consolea moniliformis* (L.) Britt. (*Opuntia moniliformis* L.).
- p. 611. *Consolea rubescens* (Salm-Dyck ex DC.) Lam. (*Opuntia rubescens* Salm-Dyck).
- p. 612. *Pilosocereus nobilis* (Haw.) Byles & Rowley (*Cephalocereus nobilis* Britt. & Rose).
- p. 613. *Leptocereus grantianus* Britt. To be added: Culebra Isl.
- p. 620. *Daphnopsis americana* ssp. *caribaea* (Griseb.) Nevl. (*Daphnopsis caribaea* Griseb.)

Volume II. (Scientific Survey Vol. VI).

- p. 3. *Conostegia hotteana* Urb. & Ekm. To be added: Luquillo Mts.
- p. 17. *Ossaea scalpta* (Vent.) DC. (*Ossaea domingensis* Cogn.).
- p. 27. *Mitropsidium sintenisii* (Kiaersk.) Burret (*Calytropsidium sintenisii* Kiaersk.).
- p. 40. *Myrtus* ? *bellonis* (Krub & Urb.) Burret (*Eugenia* ? *bellonis* Krug & Urb.).
- p. 41. *Zyzygium grande* (Wight) Walp. To be added: Yauco.
- p. 45. *Ludwigia leptocarpa* var. *meyeriana* (O. Kuntze) Alain. To be added: Manatí, Cabo Rojo, Bayamón, Humacao.
- p. 58. *Ardisia crenulata* Vent. (*Ardisia serrulata* Mez, as to the portorican plant).
- p. 62. *Jacquinia arborea* Vahl (*Jacquinia basbasco* Mez, in part).
- p. 72. *Manilkara albescens* (Griseb.) Cron. To be added: Lajas.
- p. 80. *Jasminum fluminense* Vell. (*Jasminum azoricum* sensu Britt. & Wils. in the Flora).
- p. 80. *Jasminum multiflorum* (Burm. f.) Andr. (*Jasminum pubescens* Willd.).
- p. 114. *Ipomoea spiralis* House (cited as *I. spirillus* in *Rhodora* 67: 347, typographic error).
- p. 124. *Cordia obliqua* Willd. To be added: Mameyes.
- p. 128. *Cordia wagnerorum* Howard. To be added: Luquillo Mts. Cf. *Journ. Arn. Arbor.* 47: 137. 1966.

- p. 162. *Stachys arvensis* (L.) L. To be added: Cayey.
- p. 166. *Solanum nodiflorum* Jacq. (*Solanum nigrum* sensu Britt. & Wils.; *Solanum caribaeum* Dunal).
- p. 171. *Solanum quitoense* Lam. To be added: Toro Negro.
- p. 171. *Solanum woodburyi* Howard. To be added: Luquillo Mts. Cf. Journ. Arn. Arbor. 47: 138. 1966.
- p. 189. *Buchnera longifolia* HBK. (*Buchnera elongata* Sw., as to the Portorican plant).
- p. 190. *Utricularia gibba* L. (*Utricularia obtusa* Sw.).
- p. 196. *Tabebuia heterophylla* (DC.) Britt. includes *Tabebuia pallida* Miers, as synonym.
- p. 241. *Psychotria guadaloupensis* (DC.) Howard (*Psychotria grossourdyana* Urb.).
- p. 245. *Psychotria nervosa* Sw. (*Psychotria undata* Jacq.).
- p. 253. *Diodia apiculata* (Willd.) R. & S. (*Diodia rigida* C. & S.).
- p. 265. *Coccinia grandis* (L.) J. O. Voigt (*Coccinia cordifolia* Cogn.).
- p. 297. *Conyza chilensis* Spreng. To be added: Yauco.
- p. 303. *Eclipta prostrata* (L.) L. (*Verbesina alba* L.).
- p. 419. *Polypodium attenuatum* H. & B. To be added: Luquillo Mts.
- p. 419. *Polypodium triseriale* Sw. To be added: Tortola Isl.
- p. 427. *Hypolepis nigrecens* Hook. To be added: Jayuya.
- p. 453. *Asplenium rutaceum* (Willd.) Mett. The presence of this species in Puerto Rico has been confirmed by Maxon.
- p. 468. *Thelypteris sprengelii* (Kaulf.) Proctor (*Dryopteris sprengelii* Kuntze, not *Thelypteris balbisii* Ching).
- p. 480. *Thelypteris rudis* (Kuntze) Proctor. To be added: Jayuya.
- p. 480. *Thelypteris asplenioides* (Sw.) Proctor. To be added: Jayuya.
- p. 480. *Thelypteris cordata* (Fée) Proctor (*Dryopteris cordata* Urb.). The presence of the species in Puerto Rico has been confirmed: Utuado.
- p. 480. *Thelypteris resinifera* (Desv.) Proctor (*Dryopteris panamensis* C. Chr.). To be added: Carolina.
- p. 504. *Hymenophyllum contortum* v. d. Bosch (*Hymenophyllum crispum* HBK., sensu Maxon in Flora of Porto Rico).
- p. 507. *Hymenophyllum lanatum* Fée. Replaces *Hymenophyllum hirsutum* (L.) Sw.; this last species is not found in Puerto Rico.
- p. 507. *Hymenophyllum fucoides* Sw. To be added: Mt. Guilarte.
- p. 507. *Hymenophyllum protrusum* Hook. To be added: Luquillo Mts.
- p. 508. *Salvinia rotundifolia* Willd. To be added: Mayagüez.
- p. 512. *Lycopodium verticillatum* L.f. (*Lycopodium setaceum* Lam.).